ILLAX®

Technical Data

Glass Type/Application	Amber glass Pharmaceutical primary packaging for oralia and solid dosage

Physical Data
(approx. value)

Coefficient of mean linear thermal expansion

α(20°C; 300°C) acc. to ISO 7991	7.8 $\cdot 10^{-6} K^{-1}$	
Transformation Temperature T_g	535	°C
Glass temperature at viscosity η in dPa $\cdot$ s		
10^{13} (annealing point).....	540	°C
$10^{7.6}$ (softening point)	720	°C
10^{4} (working point)	1050	°C
Density ρ at 25°C	2.50	g $\cdot$ cm^{-3}

Chemical Data

Hydrolytic resistance

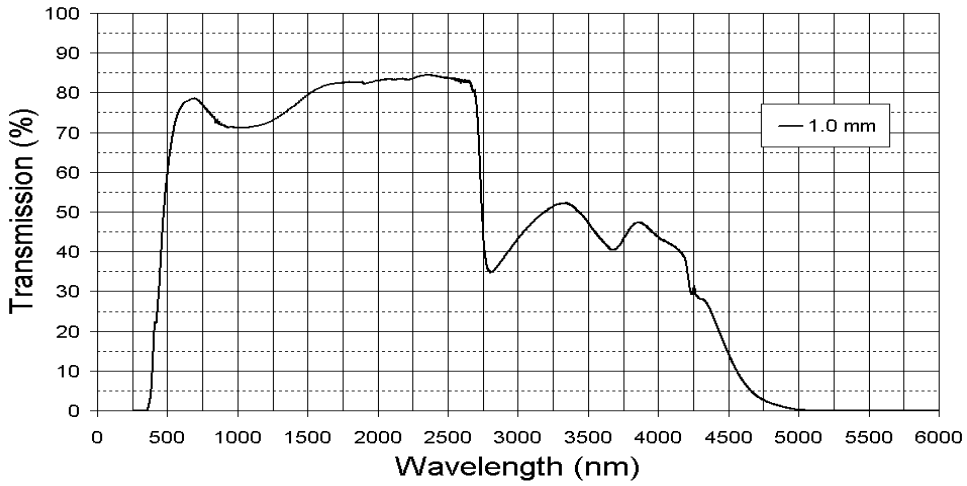
acc. to ISO 719	Class	HGB 2
acc. to Ph. Eur.	Type	III
acc. to USP.....	Type	III
Acid resistance (DIN 12116)	Class	S 2
Alkali resistance (ISO 695)	Class	A 2

Chemical Composition
(main components in approx. weight %)

SiO_2	B_2O_3	Al_2O_3	Fe_2O_3	Na_2O	K_2O	BaO	CaO	MnO_2
67	5	7	2	12	1	< 0.5	1	5

The heavy metal content for the elements lead, cadmium, mercury and hexavalent chromium is below 100 ppm.

Transmission
(exemplary spectrum)



SCHOTT
glass made of ideas